

WHAT IS CLAIMED IS:

1. A system, said system is made of plates-string capable to be folded by pushing the first plate of said plates-string while the last plate is blocked and capable to be unfolded by pulling the first plate of said plates-string while the last plate is blocked, said system comprised of:

(a) a plurality of plates arranged in a plates-string column, wherein two side-edges of each said plate are along said column and two match-edges of each said plate are matching the previous and the next plates of the column, each of said plates includes:

- (i) two rails, said rails are located longitudinally to both said side-edges;
- (ii) two fixed-pines, each of said fixed-pines is installed perpendicular to the end of each said side-edges; and
- (iii) two moveable-pines, each of said moveable-pines is installed perpendicular to each said rail of said side-edge and able to move along said rail; and

(b) a plurality of connecting-shims, said connecting-shims are for connecting said plates of said column, wherein each of said plates is connected to the next plate by means of two said connecting-shims each on each side-edge, wherein first side of said connecting-shim is pivotally joined to said fixed-pin of a plate and the other side of said connecting-shim is pivotally joined to said moveable-pin of the next plate.

2. The system of claim 1, further includes:

- (c) a case, located beside the blocked end of said plates-string, enables said plates-string to be folded in and to be unfolded from; and
- (d) two guide-tracks each in each side of said plates-string, said guide-tracks are for bordering and guiding said plates-string while folding and unfolding, wherein said guide-tracks are open in the last section to enable said plates-string to be folded to said case and to be unfolded from.

3. The system of claim 1, in a vertical position, further includes:
 - (e) two flexible pulling means, such as a band or a cable, connected to each side-edges of the lowest plate of said system and enables to pull-up said lowest plate to fold said system; and
 - (f) two drums, located in the top of said system, wherein part of said flexible pulling means are rolled on said drums enabling pulling said flexible pulling means by rotating said drums.
4. The system of claim 3, further includes:
 - (h) at least one coil-spring installed in at least one of said drums, wherein said coil-spring is stretched when unfolding said system and provides helping force when folding said system.
5. The system of claim 3, further includes:
 - (i) a motor, said motor is connected to said drums and is used for rotating said drums in order to fold or unfold said system.

6. The system of claim 1, wherein said match-edges are inclined-edges, said incline-edges enable said last blocked plate to be pushed aside by a previous plate.
7. The system of claim 1, wherein said moveable-pin has a mechanism operative for:
 - (a) locking said movable-pin to said rail and prevents said moveable-pin movement, when the position of said connecting-shim is parallel along the edge of the connected-on plate; and
 - (b) by releasing said locking and enables said moveable-pin movement, when said connecting-shim rotates to a predetermined angle in relation to said plate.
8. The system of claim 1, wherein at least part of said plates are windows' wings.
9. The system of claim 1, wherein at least part of said plates are shutters' slats.

10. a window or a shutter, said window or shutter is made of wing-string capable to be folded by pushing the first wing of said wing-string while the last wing is blocked and capable to be unfolded by pulling the first wing of said wing-string while the last wing is blocked, said window or shutter comprised of:

(a) a plurality of wings arranged in a wings-string column, wherein two side-edges of each said wing are along said column and two match-edges of each said wing are matching the previous and the next wings of the column, each of said wings includes:

- (i) two rails, said rails are located longitudinally to both said side-edges;
- (ii) two fixed-pines, each of said fixed-pines is installed perpendicularly on the end of each said side-edges; and
- (iii) two moveable-pines, each of said moveable-pines is installed perpendicularly on each said rail of said side-edge and able to move along said rail; and

- (b) a plurality of connecting-shims, said connecting-shims are for connecting said wings of said column, wherein each of said wings is connected to the next wing by means of two said connecting-shims each on each side-edge, wherein first side of said connecting-shim is pivotally joined to said fixed-pin of a wing and the other side of said connecting-shim is pivotally joined to said moveable-pin of the next wing.

11. The window or the shutter of claim 10, further includes:

- (c) a case, located beside the blocked end of said wings-string, enables said wings-string to be folded in and to be unfolded from; and
- (d) two guide-tracks each in each side of said wings-string, said guide-tracks are for bordering and guiding said wings-string while folding and unfolding, wherein said guide-tracks are open in the last section to enable said wings-string to be folded to said case and to be unfolded from.

12. The window or the shutter of claim 10, in a vertical position,

further includes:

- (e) two flexible pulling means, such as a band or a cable, connected to each side-edges of the lowest wing of said window or shutter and enable to pull-up said lowest wing to fold said window or said shutter; and
- (f) two drums, located in the top of said window or shutter, wherein part of said flexible pulling means are rolled on said drums enabling pulling said flexible pulling means, by rotating said drums.

13. The window or the shutter of claim 12, further includes:

- (h) at least one coil-spring installed in at least one of said drums, wherein said coil-spring is stretched when unfolding said window or said shutter and provides helping force when folding said window or said shutter.

14. The window or the shutter of claim 12, further includes:

- (i) a motor, said motor is connected to said drums and is used for rotating said drums in order to fold or unfold said window or said shutter.

15. The window or the shutter of claim 10, wherein said match-edges are inclined-edges, said incline-edges enable said last blocked wing to be pushed aside by a previous wing.

16. The window or the shutter of claim 10, wherein said moveable-pin has a mechanism operative for:

- (a) locking said movable-pin to said rail and prevents said moveable-pin movement, when the position of said connecting-shim is parallel along the edge of the connected-on wing; and
- (b) by release of said locking and enables said moveable-pin movement, when said connecting-shim rotates to a predetermined angle.

17. A method for folding and unfolding wings of a window or a shutter, wherein each time two of the wings are taking place in a circulatory action, said circulatory action includes:

- (a) placing two wings, first wing on top of second wing, wherein matching edges of said wings are inclined ;
- (b) installing rails on both sides of each wing;
- (c) installing a fixed-pin in the upper end of each side of each wing;
- (d) installing a movable-pin on each said rails, said moveable-pin able to move along the rail;
- (e) connecting between wings by two connecting-shims, a connecting-shim in each side, wherein one said of the connecting-shim is pivotally connected to the fixed-pin of the second wing and the other side is pivotally connected to said movable-pin of said first wing;
- (f) preventing vertical movement of said first wing and pushing up said second wing to push aside the lower part of said first wing;
- (g) continuing pushing up said second wing for slide said second wing along said first wing to straighten said

first wing beside said second wing, while said connecting-shim drags said movable-pin up along said rail; and

(h) for unfolding, pulling said second wing back.

18. The method of claim 17, wherein said circulatory action is done horizontally.